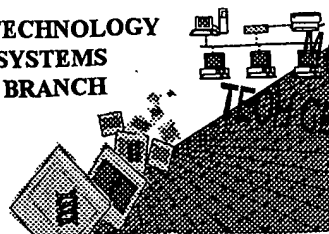


## **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



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TECHNICAL CENTER 1600/2900

#13

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/660,302B  
Source: 01R  
Date Processed by STIC: 5/1/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



OIKE

## RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/660,302B

TIME: 12:21:57

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I660302B.raw

pp 1,6

Does Not Comply  
Corrected Diskette Needed

1 <110> APPLICANT: Universiteit Utrecht  
 2 Strous, Gerardus  
 3 Van Kerkhof, Petrus  
 4 Govers, Roland  
 6 <120> TITLE OF INVENTION: CONTROLLING AVAILABILITY OR ACTIVITY OF PROTEINS BY USE OF  
 PROTEASE  
 7 INHIBITORS OR RECEPTOR FRAGMENTS  
 9 <130> FILE REFERENCE: 2183-4525US  
 11 <140> CURRENT APPLICATION NUMBER: US/09/660,302B  
 12 <141> CURRENT FILING DATE: 2002-04-15  
 14 <150> PRIOR APPLICATION NUMBER: PCT/NL99/00136  
 15 <151> PRIOR FILING DATE: 1999-03-12  
 17 <150> PRIOR APPLICATION NUMBER: EP98200799.9  
 18 <151> PRIOR FILING DATE: 1998-03-12  
 20 <160> NUMBER OF SEQ ID NOS: 50  
 22 <170> SOFTWARE: PatentIn version 3.0  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 8  
 26 <212> TYPE: PRT  
 27 <213> ORGANISM: Unknown organism  
 29 <220> FEATURE:  
 30 <221> NAME/KEY: BINDING  
 31 <222> LOCATION: (1)..(8)  
 32 <223> OTHER INFORMATION: synthetic peptide, Binding polypeptide motif  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: MISC\_FEATURE  
 36 <222> LOCATION: (2)..(2)  
 37 <223> OTHER INFORMATION: The amino acid E can be replaced by D  
 39 <220> FEATURE:  
 40 <221> NAME/KEY: MISC\_FEATURE  
 41 <222> LOCATION: (3)..(3)  
 42 <223> OTHER INFORMATION: The amino acid F can be replaced by Y  
 44 <220> FEATURE:  
 45 <221> NAME/KEY: MISC\_FEATURE  
 46 <222> LOCATION: (4)..(4)  
 47 <223> OTHER INFORMATION: The amino acid I can be replaced by L, V or F  
 49 <220> FEATURE:  
 50 <221> NAME/KEY: MISC\_FEATURE  
 51 <222> LOCATION: (7)..(7)  
 52 <223> OTHER INFORMATION: The amino acid D can be replaced by E  
 54 <400> SEQUENCE: 1  
 W--> 55 Xaa Glu Phe Ile Xaa Xaa Asp Xaa  
 56 1 5  
 58 <210> SEQ ID NO: 2

Glu can only  
represent itself,  
nothing else. Use  
Xaa and explain  
in <220>-<223>  
section

same error

same

same error

see item 9 on Error summary sheet

## RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/660,302B

TIME: 12:21:57

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I660302B.raw

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59 <211> LENGTH: 12
60 <212> TYPE: PRT
61 <213> ORGANISM: Unknown Organism
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Unsure, Growth hormone receptor binding motif, Binds to
hormone receptor
65     and ubiquitin
67 <400> SEQUENCE: 2
68 Asp Asp Ser Trp Val Glu Phe Ile Glu Leu Asp Ile
69 1           5           10
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 10
73 <212> TYPE: PRT
74 <213> ORGANISM: Unknown Organism
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Unsure, Growth hormone receptor motif, Binds to hormone
receptor and
78     ubiquitin
80 <400> SEQUENCE: 3
81 Asp Ser Trp Val Glu Phe Ile Glu Leu Asp
82 1           5           10
84 <210> SEQ ID NO: 4
85 <211> LENGTH: 129
86 <212> TYPE: PRT
87 <213> ORGANISM: Unknown organism
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Unsure, Growth hormone receptor motif, Up-regulates GH
activity
92 <400> SEQUENCE: 4
93 Ser Lys Gln Gln Arg Ile Lys Met Leu Ile Leu Pro Pro Val Pro Val
94 1           5           10           15
95 Pro Lys Ile Lys Gly Ile Asp Pro Asp Leu Leu Lys Glu Gly Lys Leu
96           20           25           30
97 Glu Glu Val Asn Thr Ile Leu Ala Ile His Asp Ser Tyr Lys Pro Glu
98           35           40           45
99 Phe His Ser Asp Asp Ser Trp Val Glu Phe Ile Glu Leu Asp Ile Asp
100           50           55           60
101 Glu Pro Asp Glu Lys Thr Glu Glu Ser Asp Thr Asp Leu Leu Ser Ser
102 65           70           75           80
103 Asp His Glu Lys Ser His Ser Asn Leu Gly Val Lys Asp Gly Asp Ser
104           85           90           95
105 Gly Arg Thr Ser Cys Cys Glu Pro Asp Ile Leu Glu Thr Asp Phe Asn
106           100          105          110
107 Ala Asn Asp Ile His Glu Gly Thr Ser Glu Val Ala Gln Pro Gln Arg
108           115          120          125
109 Leu
111 <210> SEQ ID NO: 5
112 <211> LENGTH: 38
113 <212> TYPE: PRT
114 <213> ORGANISM: Unknown organism
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Unsure, Derived from protein receptor, Up-regulates GH
activity

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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/660,302B

DATE: 05/01/2002  
 TIME: 12:21:57

Input Set : A:\PTO.VSK.txt  
 Output Set: N:\CRF3\05012002\I660302B.raw

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119 <400> SEQUENCE: 5
120 Lys Asp Gly Asp Ser Gly Arg Thr Ser Cys Cys Glu Pro Asp Ile Leu
121 1 5 10 15
122 Glu Thr Asp Phe Asn Ala Asn Phe Ile His Glu Gly Thr Ser Glu Val
123 20 25 30
124 Ala Gln Pro Gln Arg Leu
125 35
127 <210> SEQ ID NO: 6
128 <211> LENGTH: 10
129 <212> TYPE: PRT
130 <213> ORGANISM: Unknown organism
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Unsure, Glut4 Ins-regulated glucose transporter binding
motif, Binds to
134 ubiquitin/proteasome system binding site
136 <400> SEQUENCE: 6
137 Thr Glu Leu Glu Tyr Leu Gly Pro Asp Glu
138 1 5 10
140 <210> SEQ ID NO: 7
141 <211> LENGTH: 7
142 <212> TYPE: PRT
143 <213> ORGANISM: Unknown organism
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Unsure, Binding poly-peptide motif, Binds to
ubiquitin/proteasome system
147 binding site
149 <400> SEQUENCE: 7
150 Cys Glu Glu Asp Phe Tyr Arg
151 1 5
153 <210> SEQ ID NO: 8
154 <211> LENGTH: 10
155 <212> TYPE: PRT
156 <213> ORGANISM: Homo sapiens (human) or Lepus unknown species (rabbit)
158 <220> FEATURE:
159 <223> OTHER INFORMATION: GHR sequence
161 <400> SEQUENCE: 8
162 Ser Trp Val Glu Phe Ile Glu Leu Asp Ile
163 1 5 10
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 10
167 <212> TYPE: PRT
168 <213> ORGANISM: Gallus gallus (chicken)
170 <220> FEATURE:
171 <223> OTHER INFORMATION: GHR
173 <400> SEQUENCE: 9
174 Leu Trp Val Glu Phe Ile Glu Leu Asp Ile
175 1 5 10
177 <210> SEQ ID NO: 10
178 <211> LENGTH: 10
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens (human)

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/660,302B

DATE: 05/01/2002

TIME: 12:21:57

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I660302B.raw

```

182 <220> FEATURE:
183 <223> OTHER INFORMATION: prolactin receptor
185 <400> SEQUENCE: 10
186 Leu Leu Val Glu Tyr Leu Glu Val Asp Asp
187 1          5          10
189 <210> SEQ ID NO: 11
190 <211> LENGTH: 10
191 <212> TYPE: PRT
192 <213> ORGANISM: Lepus unknown species (rabbit), Rattus unknown species (rat), Mus
W--> 193 musculus (mouse)
195 <220> FEATURE:
196 <223> OTHER INFORMATION: prolactin receptor
198 <400> SEQUENCE: 11
199 Leu Leu Val Glu Phe Leu Glu Asn Asp Asp
200 1          5          10
202 <210> SEQ ID NO: 12
203 <211> LENGTH: 10
204 <212> TYPE: PRT
205 <213> ORGANISM: Unknown organism
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Unsure, vertebrate skeletal muscle
210 <400> SEQUENCE: 12
211 Asp Asn Val Asp Tyr Leu Thr Arg Asp Trp
212 1          5          10
214 <210> SEQ ID NO: 13
215 <211> LENGTH: 10
216 <212> TYPE: PRT
217 <213> ORGANISM: Unknown organism
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Unsure, FGF Receptor Family
222 <400> SEQUENCE: 13
223 Gln Ala Ala Glu Tyr Leu Arg Ser Glu Thr
224 1          5          10
226 <210> SEQ ID NO: 14
227 <211> LENGTH: 10
228 <212> TYPE: PRT
229 <213> ORGANISM: Unknown organism
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Unsure, Transmembrane receptor sex precursor
234 <400> SEQUENCE: 14
235 Ile Asp Ala Glu Tyr Ile Ser Ala Glu Arg
236 1          5          10
238 <210> SEQ ID NO: 15
239 <211> LENGTH: 10
240 <212> TYPE: PRT
241 <213> ORGANISM: Unknown organism
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Unsure, IgE Receptor
246 <400> SEQUENCE: 15

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## RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/660,302B

TIME: 12:21:57

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05012002\I660302B.raw

247 Leu Lys Gly Glu Phe Ile Trp Val Asp Gly

248 1 5 10

250 &lt;210&gt; SEQ ID NO: 16

251 &lt;211&gt; LENGTH: 10

252 &lt;212&gt; TYPE: PRT

253 &lt;213&gt; ORGANISM: Unknown organism

255 &lt;220&gt; FEATURE:

256 &lt;223&gt; OTHER INFORMATION: Unsure, ANGIOTENSIN CONVERTING ENZYME

258 &lt;400&gt; SEQUENCE: 16

259 Tyr Gly Ser Glu Tyr Ile Asn Leu Asp Gly

260 1 5 10

262 &lt;210&gt; SEQ ID NO: 17

263 &lt;211&gt; LENGTH: 10

264 &lt;212&gt; TYPE: PRT

265 &lt;213&gt; ORGANISM: Unknown organism

267 &lt;220&gt; FEATURE:

268 &lt;223&gt; OTHER INFORMATION: Unsure, POTASSIUM CHANNEL IRK

270 &lt;400&gt; SEQUENCE: 17

271 Ser Glu Gly Glu Tyr Ile Pro Leu Asp Gln

272 1 5 10

274 &lt;210&gt; SEQ ID NO: 18

275 &lt;211&gt; LENGTH: 10

276 &lt;212&gt; TYPE: PRT

277 &lt;213&gt; ORGANISM: Unknown organism

279 &lt;220&gt; FEATURE:

280 &lt;223&gt; OTHER INFORMATION: Unsure, PDGF RECEPTOR ALPHA-CHAIN

282 &lt;400&gt; SEQUENCE: 18

283 Asp Gly His Glu Tyr Ile Tyr Val Asp Pro

284 1 5 10

286 &lt;210&gt; SEQ ID NO: 19

287 &lt;211&gt; LENGTH: 10

288 &lt;212&gt; TYPE: PRT

289 &lt;213&gt; ORGANISM: Unknown organisms

291 &lt;220&gt; FEATURE:

292 &lt;223&gt; OTHER INFORMATION: Unsure, PDGF RECEPTOR BETA-CHAIN

294 &lt;400&gt; SEQUENCE: 19

295 Asp Gly His Glu Tyr Ile Tyr Val Asp Pro

296 1 5 10

298 &lt;210&gt; SEQ ID NO: 20

299 &lt;211&gt; LENGTH: 10

300 &lt;212&gt; TYPE: PRT

301 &lt;213&gt; ORGANISM: Homo sapiens (human), Lepus unknown species (rabbit), Rattus unknown

W--&gt; 302 species (rat)

304 &lt;220&gt; FEATURE:

305 &lt;223&gt; OTHER INFORMATION: Ca++ -channel

307 &lt;400&gt; SEQUENCE: 20

308 Asp Asn Phe Glu Tyr Leu Thr Arg Asp Ser

309 1 5 10

311 &lt;210&gt; SEQ ID NO: 21

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/660,302B

DATE: 05/01/2002  
TIME: 12:21:58

Input Set : A:\PTO.VSK.txt  
Output Set: N:\CRF3\05012002\I660302B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,5,6,8  
Seq#:50; Xaa Pos. 4

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 64  
Seq#:7; Line(s) 146